

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/10542

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61F2/06 B24C11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 A61F B24C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 199 16 086 A (INFLOW DYNAMICS INC) 14 October 1999 (1999-10-14) column 2, line 9 - line 43; claims 1-3; figures	1-9, 20
X	EP 0 850 604 A (SORIN BIOMEDICA SPA) 1 July 1998 (1998-07-01) column 5, line 38 - line 43; claims 15, 27, 28; figure 4	1, 5
A		4, 6, 7, 10, 15, 16
X	US 6 099 561 A (ALT ECKHARD) 8 August 2000 (2000-08-08) cited in the application column 8, line 61 - line 67; claim 3; figures	1, 4-6
A		7, 20
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

15 January 2004

Date of mailing of the international search report

22/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Neumann, E

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/10542

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02 083039 A (ADVANCED CARDIOVASCULAR SYSTEM) 24 October 2002 (2002-10-24) paragraph '0032! - paragraph '0034!; claims 1-5, 21, 23; figures 1-3 ---	1, 4-7, 10, 19
P, X	EP 1 254 673 A (INFLOW DYNAMICS INC) 6 November 2002 (2002-11-06) paragraph '0005!; claims; figures paragraph '0017! ---	1, 4-7, 18
A	US 6 387 123 B1 (JACOBS JAMES M ET AL) 14 May 2002 (2002-05-14) column 5, line 54 - column 6, line 13; claims 1, 3 ---	7, 11, 13, 20
A	WO 99 07308 A (SUNSCOPE INTERNATIONAL) 18 February 1999 (1999-02-18) cited in the application page 12, line 18 - line 22 ---	11, 12, 14
A	US 6 431 958 B1 (RICHARD JO EUML L ET AL) 13 August 2002 (2002-08-13) column 1, line 53 - column 2, line 4 column 1, line 19 - line 20 -----	14-17

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1,2-5,7-20

A stent and its manufacturing method

2. Claims: 1,6

A balloon catheter

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/10542

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/10542

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19916086	A	14-10-1999	US 5980566 A	09-11-1999
			DE 19916086 A1	14-10-1999
			US 6099561 A	08-08-2000
			US 6387121 B1	14-05-2002
			WO 9952471 A1	21-10-1999
EP 0850604	A	01-07-1998	IT T0961095 A1	30-06-1998
			AT 232704 T	15-03-2003
			DE 69719161 D1	27-03-2003
			DE 69719161 T2	09-10-2003
			EP 1181903 A2	27-02-2002
			EP 0850604 A2	01-07-1998
			ES 2192649 T3	16-10-2003
			US 2003195613 A1	16-10-2003
			US 6638302 B1	28-10-2003
US 6099561	A	08-08-2000	US 5824045 A	20-10-1998
			US 6217607 B1	17-04-2001
			US 6387121 B1	14-05-2002
			EP 0836839 A2	22-04-1998
			DE 19916086 A1	14-10-1999
WO 02083039	A	24-10-2002	WO 02083039 A1	24-10-2002
EP 1254673	A	06-11-2002	US 2002165607 A1	07-11-2002
			EP 1254673 A1	06-11-2002
			EP 1254674 A1	06-11-2002
US 6387123	B1	14-05-2002	NONE	
WO 9907308	A	18-02-1999	AU 741328 B2	29-11-2001
			AU 9103098 A	01-03-1999
			EP 1003444 A1	31-05-2000
			JP 2001513359 T	04-09-2001
			WO 9907308 A1	18-02-1999
US 6431958	B1	13-08-2002	FR 2775919 A1	17-09-1999
			AU 2734199 A	11-10-1999
			CA 2323499 A1	23-09-1999
			EP 1062074 A1	27-12-2000
			WO 9947307 A1	23-09-1999
			JP 2002506741 T	05-03-2002
			TW 393382 B	11-06-2000
			ZA 9902033 A	27-09-1999